

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

Claim 1-6 (Canceled).

Claim 7 (Currently Amended): An endohedral metallofullerene of the formula:  $A_3-nX_nN@C_m(-R(-[O-CH_2CH_2-kQ])_j(-OH)_h$ ; where A and X are metal atoms,  $n=0-3$ ; m is an even number between about 60 and about 200;  $1 < h < m-2$ ;  $i \geq 1$ ;  $j=1$  or  $2$ ; and  $k > 1$  wherein R is a malonyl group or an ethyl-malonyl group and Q is ~~o-methyl~~ a methoxy group or a functional group selected from among an antigen, an antibody fragment, a membrane anchoring sequence, a polynucleotide, a receptor ligand, and biotin.

Claim 8 (Previously Presented): The endohedral metallofullerene of claim 7, wherein  $j=1$  and R is an ethyl malonyl group.

Claim 9 (Previously Presented): The endohedral metallofullerene of claim 7, wherein Q is a methoxy group.

Claim 10 (Previously Presented): The endohedral metallofullerene of claim 7, wherein  $j=2$  and R is a malonyl group.

Claim 11 (Original): The endohedral metallofullerene of claim 7, wherein k is about 7.

Claim 12 (Original): The endohedral metallofullerene of claim 7, wherein k is about 11

Claim 13 (Original): The endohedral metallofullerene of claim 7, wherein k is about 16 or greater.

Claim 14 (Original): The endohedral metallofullerene of claim 7, wherein k is about 40 or greater.

Claim 15 (Original): The endohedral metallofullerene of claim 7, wherein, A and/or X are rare earth element and/or a group IIIB element.

Claim 16 (Original): The endohedral metallofullerene of claim 7, wherein A and/or X are chosen from among the group consisting of Scandium, Yttrium, Lanthanum, Gadolinium, Holmium, Erbium, Thulium, and Ytterbium.

Claims 17-20 (Canceled).